PHASE I BOOK EXPLOITATION SOV/4184

Strelets, Kh.L., A.Yu. Tayts, and B.S. Gulyanitskiy.

Metallurgiya magniya (Metallurgy of Magnesium) 2d ed., rev. and enl. Moscow, Metallurgizdat, 1960. 479 p. Errata slip inserted. 2,650 copies printed.

Reviewers: V.A. Pazukhin, Doctor of Technical Sciences, Professor, Ya.M. Kheyfits, Candidate of Chemical Sciences, V.N. Verigin, Candidate of Technical Sciences, A.Ya. Fisher, Candidate of Technical Sciences, Ya.A. Tsenter, Candidate of Technical Sciences, G.S. Markov, Engineer, and V.V. Krivoruchenko, Engineer; Ed.: S.M. Chernobrov; Ed. of Publishing House: M.S. Arkhangel'skaya; Tech. Ed.: M.R. Kleynman.

PURPOSE: This book is intended for technical and scientific personnel in the metallurgical industry. It may be used by students of the field in schools of higher education, particularly those specializing in the production of magnesium.

COVERAGE: The book gives the characteristics of the raw materials used in the production of magnesium, and discusses the theoretical bases of magnesium metallurgy. The electrolytical and thermal manufacturing processes are described. The properties of magnesium and the methods used in its refinement are discussed. B.S. Gulyanitskiy wrote Chapters I and IV, Kh.L. Strelets -- Chapter II, and

Card 1/15

Metallurgy of Magnesium SOV/4184

A.Yu. Tayts -- Chapters III and V. The authors thank Professor Doctor V.A. Pazukhin. There are 438 references.

TABLE OF CONTENTS:



Card 2/15

MASHOVETS, V.P.; FORSBLOM, G.V. Prinimal uchastiye POPOV, R.B.; GULYANITSKIY, B.S., inzh., retsenzent; FIRSANOVA, L.A., red.; ATTOPOVICH, M.K., tekhn. red.

[Electrolytic production of aluminum] Elektroliticheskoe proizvodstvo aliuminiia; prakticheskoe rukovodstvo dlia rabochikh, brigadirov i masterov tsekhov elektroliza aliuminevykh zavodov. Moskva, Metallurgizdat, 1951. 220 p. (MIRA 16:7)

1. Vsesoyuznyy alyuminiyevo-magniyevyy institut (for Mashovets, Forsblom).

(Aluminum--Electrometallurgy)

VAYNSHTEYN, German Mendelevich; LOKSHIN, Efroim Pinkhusovich; TSENTER, Yakov Al'terovich; GULYANITSKIY, B.S., red.; KAMAYEVA, O.M., red. izd-va; OBUKHOVSKAYA, G.P., tekhn. red.

[Improving the procedure of melting and casting primary magnesium and magnesium alloys]Usovershenstvovanie tekhnologii plavki i lit'ia pervichnogo magniia i magnievykh splavov. Moskva, Metallurgizdat, 1962. 34 p. (MIRA 16:3)
(Magnesium--Metallurgy)

KRESTOVNIKOV, Aleksandr Nikolayevich; VLADIMIROV, Leonid Pavlovich; GULYANITSKIY, Boris Stepanovich; FISHER, Aleksandr Yakovlevich; YEGOROV, A.M., red.; ARKHANGEL'SKAYA, M.S., red. izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Handbook on calculations of equilibrium of metallurgical reactions; rapid methods] Spravochnik po raschetam ravnovesii metallurgicheskikh reaktsii; uskorennye metody. [By] A.N. Krestovnikov i dr. Moskva, Metallurgizdat, 1963. 416 p. (MIRA 16:7)

(Metals--Thermodynamic properties)
(Chemistry, Metallurgic--Handbooks, manuals, etc.)

SOV/137-59-3-5351

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 61 (USSR)

AUTHORS: Kichayev, P., Dubrovin, G., Gulyanitskiy, K.

TITLE: Employment of Light-weight Welded Steel-teeming Ladles of Large Capacity (Primeneniye oblegchennykh svarnykh staleraz livochnykh kovshey bol'shoy yemkosti)

PERIODICAL: Tekhn.-ekon. byul. Sovnarkhoz Zaporozhsk. ekon adm. r-na, 1958, Nr 1, pp 34-36

ABSTRACT: Since 1956 the "Zaporozhstal'" plant has used welded steel-teeming ladles (WL) with a 220-ton capacity instead of the old design (riveted) ladles with a 200-ton capacity. The employment of the new WL permits an increase in metal capacity by 20 - 25 tons. The shell of the WL is made of three drums of 20K steel The upper and lower barrel sections are assembled from four plates 22 and 24 mm thick They are welded on a stand with longitudinal seams. The middle barrel section is assembled from four 26-mm plates, two cast blocks, and two stiffener rings. The blocks were pre-annealed. The shell of the ladle was assembled on a special stand. The barrel sections were joined by annular seams. The dowels were set in the blocks

Card 1/2

Employment of Light-weight Welded Steel-teeming Ladles of Large Capacity

from the inside. The bottom of the WL had the shape of a spherical segment with flanges. 26 - 30 mm 20K steel plate was used for the bottom. After welding the WL were tempered in a pit furnace. The tempering comprised heating to 600 - 700°C and soaking for 3 - 5 hours with subsequent complete cooling in the furnace. Data are adduced on the welding procedures for the inner and outer seams, the macrostructure, and the mechanical properties of the seam metal. Measurements and investigation of maximum stresses in the individual members of the WL structure under full load (with the ladle full of metal) established that in spots of the greatest loads the tensile stresses attained 400 - 250 kg/cm$^2$. The author notes that in individual members of the WL structure the stresses increase appreciably (by 10 - 20%) at the moment of the lifting of the ladle by the crane, which fact is explained by the dynamic acceleration of the ladle during hoisting. Investigation of the WL showed that they possess sufficient strength

V P.

GULYANITSKIY, N., kand.arkhtektury

Houses of few stories in Hungary. Zhil.stroi. no.6:25-28 Je '60. (MIRA 13:7)
(Hungary--Architecture, Domestic)

GULYANITSKIY, N. kand.arkh.

Tapiola, a satellite city in Finland. Stroi. i arkhit. Mosk. 9 no.6:32-34 Je '60. (MIRA 13:6)
(Tapiola, Finland--City planning)

DAVYDOVA, A.A.; PETROV, V.I.; GULYANITSKIY, N.A.

Some results of the control of intestinal infections in Dnepropetrovsk. Zhur. mikrobiol., epid. i immun. 33 no. 12:89-95. D '62. (MIRA 16:5)

1. Iz Dnepropetrovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(DNEPROPETROVSK— INTESTINES—DISEASES)

GULYANITSKIY, N.F., kand. arkhitektury.

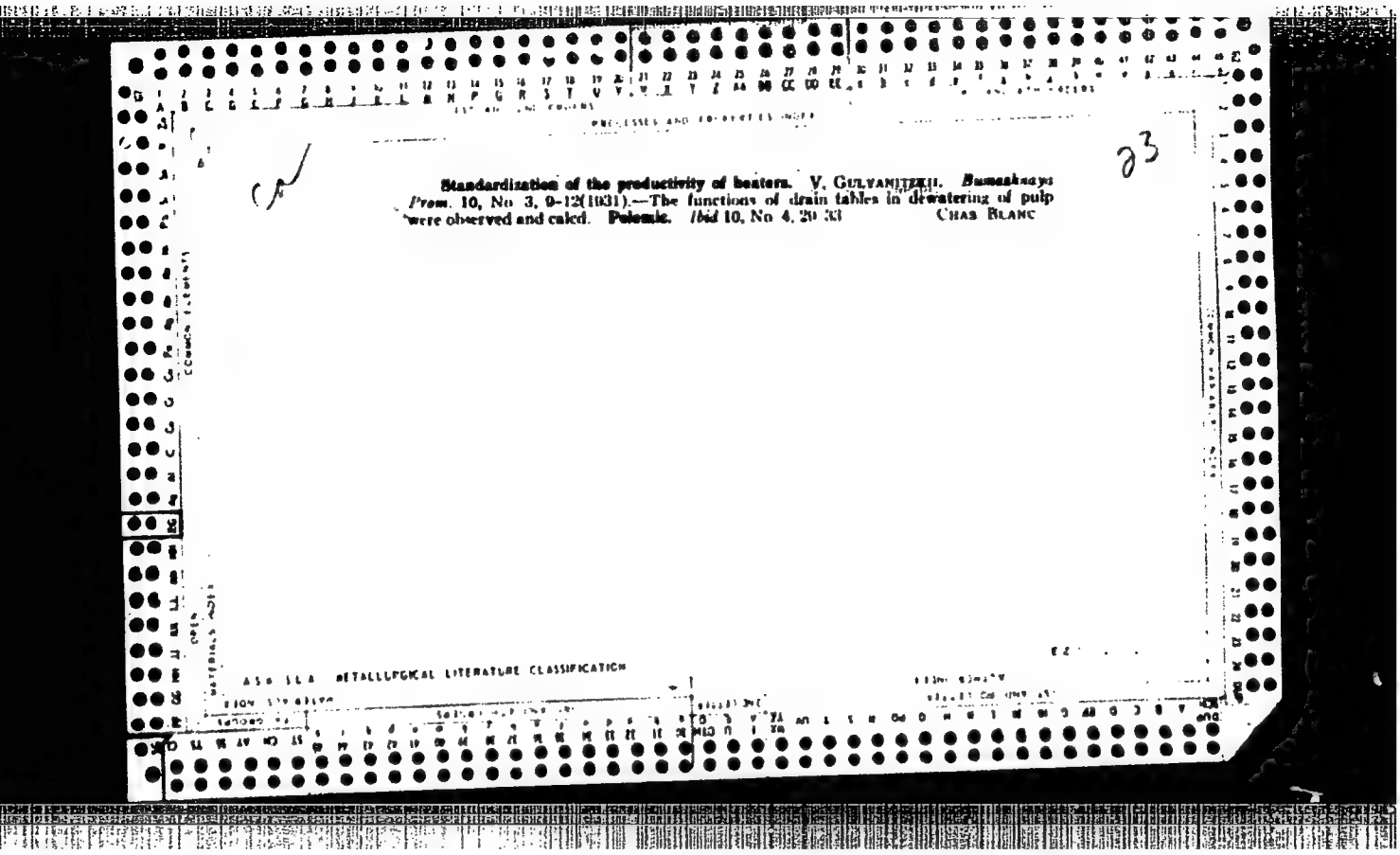
Large-block construction in Stalinsk. Biul. stroi. tekh. 15 no.5:4-7 My '58. (MIRA 11:6)

1. Moskovskiy ordena Trudovogo Znameni inzhenerno-stroitel'nyy institut im. V.V. Kuybysheva.
(Stalinsk--Apartment houses)

GULYANITSKIY, S.

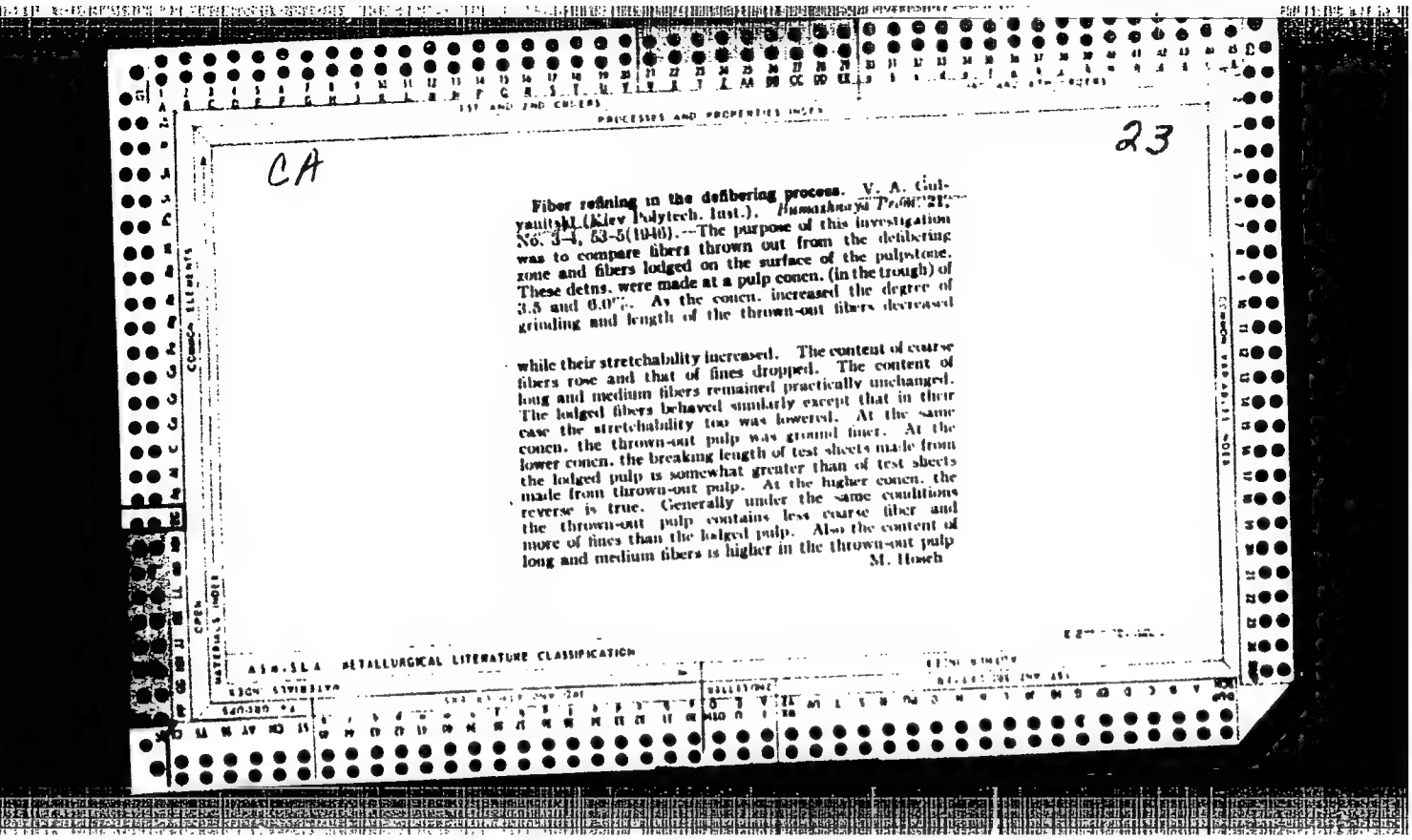
6718. Gulyanitskiy, S. Kak Tekstil'shchiki latviyskoy SSR povyshayut proizvoditel'nost' truda. Riga, Latgosizdat, 1954. 60 s. s ill. 20 sm. 1.000 ekz. 1 r. 10 k. -- (55-3083)p 677.02:658.5 + 331.87

SO: Knizhnaya Letopis' No. 6, 1955



**Standardization of the productivity of beaters.** V. GULYANITZKII. *Bumazhnaya Prom.* 10, No 3, 9–12(1931).—The functions of drain tables in dewatering of pulp were observed and calcd. **Polemic.** *Ibid* 10, No 4, 29–33 CHAS BLANC

ASTIA METALLURGICAL LITERATURE CLASSIFICATION

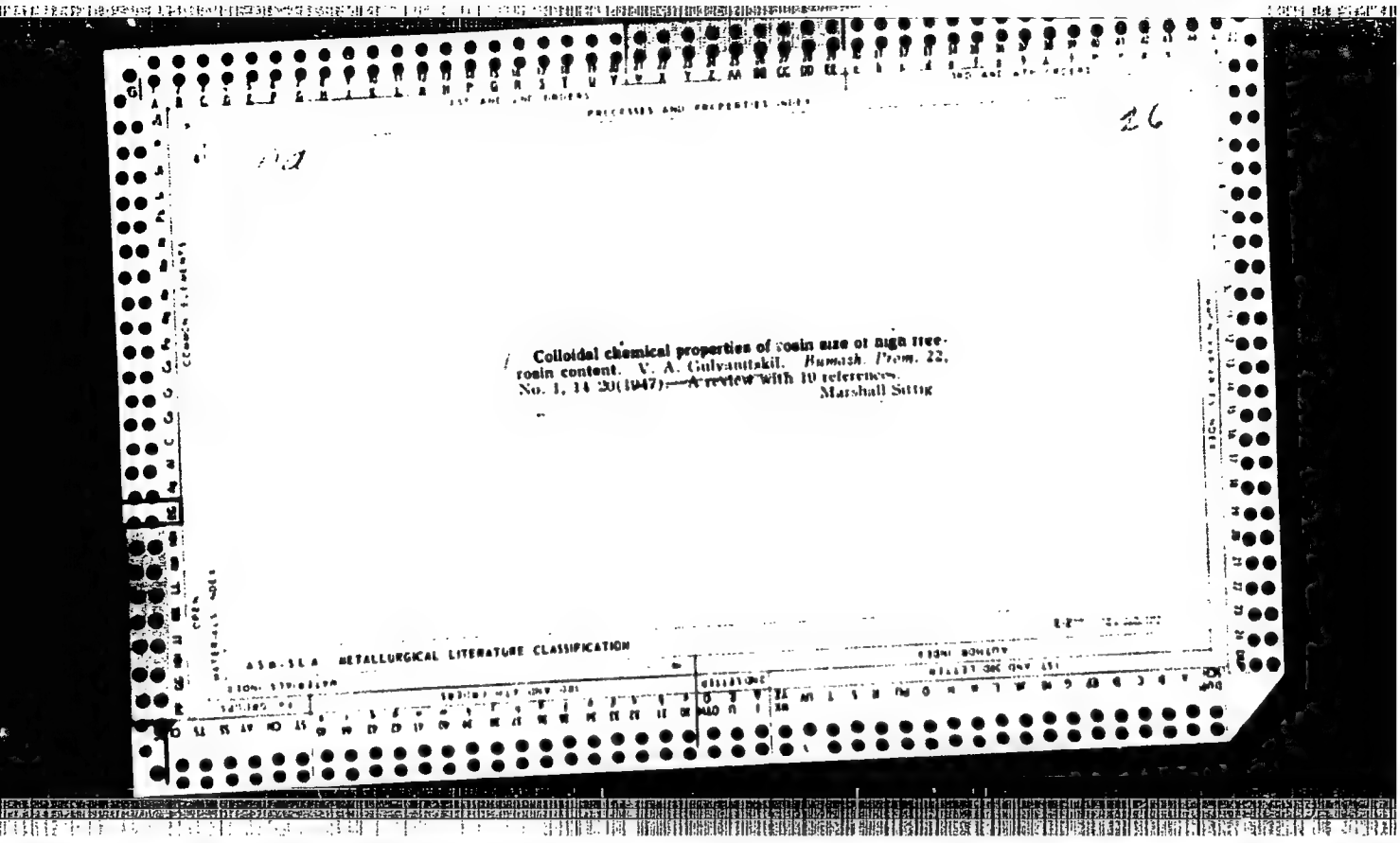


CA

23

**Fiber refining in the deflbering process.** V. A. Gulyaultskl (Kiev Polytech. Inst.). *Bumazhnaya Prom.* '21, No. 3-4, 53-5(1940).—The purpose of this investigation was to compare fibers thrown out from the defibering zone and fibers lodged on the surface of the pulpstone. These detns. were made at a pulp concn. (in the trough) of 3.5 and 6.0%. As the concn. increased the degree of grinding and length of the thrown-out fibers decreased while their stretchability increased. The content of course fibers rose and that of fines dropped. The content of long and medium fibers remained practically unchanged. The lodged fibers behaved similarly except that in their case the stretchability too was lowered. At the same concn. the thrown-out pulp was ground finer. At the lower concn. the breaking length of test sheets made from the lodged pulp is somewhat greater than of test sheets made from thrown-out pulp. At the higher concn. the reverse is true. Generally under the same conditions the thrown-out pulp contains less course fiber and more of fines than the lodged pulp. Also the content of long and medium fibers is higher in the thrown-out pulp

M. Hoseh



Colloidal chemical properties of rosin size of high free-rosin content. V. A. Gulvanitskii. *Bumazh. Prom.* 22, No. 1, 14-20(1947).—A review with 10 references.
Marshall Sittig

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1. GULYANITSKIY, V. A.

2.. USSR (600)

4. Pasteboard

7. Manual on the sizing of cardboard for shoes. Bum.prom. 27 no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

GULYANITSKIY, V.A.

Evaluation of paper breaking strength indexes. Bum.prom.32 no.3:7-10 Mr '57. (MLRA 10:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut bumagi.
(Paper--Testing)

GULYANITSKIY, V.A.; KUNDZICH, G.A., kand. fiz.-mat. nauk.

On the article "Determining the light reflection (whiteness) of paper." Bum. prom. 32 no.10:12 O '57. (MIRA 11:1)

1. Rukovoditel' fiziko-metrologicheskoy laboratorii Ukrainskogo nauchno-issledovatel'skogo instituta bumazhnoy promyshlennosti [UkrNIIB] (for Gulyanitskiy).
(Paper--Testing)

GULYANITSKIY, V.A., dots.

Invention of paper. Bum.prom. 34 no.8:11-12 Ag '59.
(MIRA 12:12)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut.
(Paper)

GULYANITSKIY, V.A., dotsent

Discovery of an ancient cardboard. Bum.prom. 36 no.1:29 Ja '61.
(MIRA 14:3)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut.
(Egypt—Cardboard)

GULYANITSKIY, V.A., dotsent

New textbook on paper technology. Bum.prom. 36 no.4:27-28 Ap '61.
(MIRA 14:5)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut.
(Paper industry)

GULYANITSKIY, V.A., dotsent

Fiftieth anniversary of the invention of the Scho opor-Rieglor apparatus. Bum.prom. 37 no.10:31 O '62. (MIRA 15:11)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut.
(Woodpulp industry—Equipment and supplies)
(Chemical apparatus)

BORKOVSKAYA, L.V.; GULYANSKAYA, Ye.A.; ZYRUNOVA, K.I.;
LITOVCHENKO, Ye.P.; PERK, M.G.; RASSOKHIN, V.V.;
kand. tekhn. nauk; TKACHENKO, A.I.; STANKOV, N.V.,
inzh., retsenzent; ALEKSEYEVSKIY, G.V., inzh., retsenzent;
PIONTEK, Ye.I., inzh., red.

[Album of assignments for executing assembly drawings] Al'-
bom zadanii dlia vypolneniia sborochnykh chertezhei. [By]
L.V.Borkovskaia i dr. Moskva, Mashinostroenie, 1964. 72 p.
(MIRA 17:9)

GULYANSKAYA, Ye. K. Cand Med Sci - "On certain laws of the development of psychoneurotic disorders in hypertension." Mos, 1961 (Min of Health USSR. Central Inst for the Advanced Training of Physicians). (KL, 4-61, 208)

GULYANSKIY, L., uchitel' (g. Chernovtsy, Ukrainskaya SSR); VATLIN, G.; KUZ'MIN, M., uchastkovyy terapevt (g. Orekhovo-Zuyevo, Moskovskoy oblasti); MATVEYEVA, N.; STARKOV, A., inzh. (Simferopol'); MAKAROV, V., inzh. (Simferopol'); MIL'KO, S.; OKOS'YAN, K.

Letters to the editor. Zhil.-kom. khoz. 12 no.5:22-23 My '62. (MIRA 15:10)

1. Zaveduyushchiy Gorodskim upravleniyem kommunal'nogo khozyaystva, Arkhangel'sk (for Vatlin). 2. Upravlyaushchiy domami 10-go domoupravleniya Nakhimovskogo rayona, Sevastopol' (for Matveyeva).

(Municipal services)

GULYANSKIY, R.A.; NOSKOV, F.S.

Possibility of using some nitrofuran preparations for emergency prevention and treatment of especially dangerous infections. Report No.1: Effect of nitrofuran preparations on the vaccinal strain, P.pestis No.1, 17. Zhur.mikrobiol., epid. i immun. 32 no.10:20-25 O '61. (MIRA 14:10)

(FURAN) (PASTEURELLA PESTIS)

GUL'YANTS, E.S., student

Ovarian struma. Akush. i gin. 33 no.1:112-114 Ja-F '57
(MLRA 10:4)

1. Iz kafedry patologicheskoy anatomii (zav.-prof. Sh. I. Krinitskiy) Rostovskogo-na-Donu meditsinskogo instituta.
(OVARIES, neoplasms
teratoma) (Rus)
(TERATOMA, case reports
ovary) (Rus)

GUL'YANTS, E.S.

Solitary angioreticuloma of the vermis of the cerebellum and syringomyelia. Zhur. nevr. i psikh. 62 no.4:500-503 '62. (MIRA 15:5)

1. Patologoanatomicheskoye otdeleniye (zav. - prof. Sh.I.Krinitskiy [deceased]) gorodskoy bol'nitsy No.1 Rostova-na-Donu (glavnyy vrach A.V.Goreshnyak).

(SYRINGOMYELIA) (CEREBELLUM--TUMORS)
(ANGIOMA)

GUL'YANTS, E.S. (Donetsk)

Fuchsinophilic myocardial dystrophy in rheumatic fever. Arkh. pat. no.11:18-23 '64. (MIRA 18:11)

1. Kafedra patologicheskoy anatomii (zav. - prof. Ye.A. Dikshteyn) Donetskogo meditsinskogo instituta imeni A.M. Gor'kogo.

VILKOVA, N.A., aspirantka; KOZLENKO, V.N., fitopatolog (Brazhnoye, Krasnoyarskogo kraya); GULYARENKO, F.N.; RAZVYAZKINA, G.M.; KAPKOVA, Ye.A.; BELYANCHIKOVA, Yu.V.; DZHUMABAYEV, P., aspirant; RASSADINA, Ye.G., aspirant; NIKITINA, M.D., mladshiy nauchnyy sotrudnik; LOGINOVA, K.M., kand.sel'skokhoz.nauk; YUZ'KO, S.L.; PETROVA, N.A.

Brief information. Zashch. rast. ot vred. i bol. 8 no.9:53-57 S '63. (MIRA 16:10)

1. Vsesoyuznyy institut zashchity rasteniy (for Vilkova, Rassadina). 2. Zaveduyushchiy Lisetskim sortouchastkom, selo Krekhovtsy, Ivanovo-Frankovskoy oblasti (for Gulyarenko). 3. Laboratoriya mikologii Vsesoyuznogo instituta zashchity rasteniy (for Dzhumabayev). 4. Chitinskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Nikitina). 5. Pushkinskaya baza Vsesoyuznogo instituta zashchity rasteniy (for Loginova). 6. Ul'yanovskaya sel'skokhozyaystvennaya opytnaya stantsiya, pochtovoye otdeleniye Isheyevka (for Petrova).

GULYARENKO, F.N.

Xanthomonas translucens var. indulosa infection of winter wheat. Zashch. rast. ot vred. i bol. 9 no.12:15 '64. (MIRA 18:4)

1. Zaveduyushchiy Lisetskim sortouchastkom Bogorodchanskogo rayona, Ivanov-Frankovskoy oblasti.

GYLYAS, I.

ELELMEZESI IPAR. ( Mezogazdasagi es Elelmiszeripari Tudomanyos Egyesulet) Budapest.

Prospective plan for developing our food industry. p. 229.

Vol. 12, No. 7/9, Aug./Sept. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 3, March 1959 Unclass.

GULYAS, E.

MEZOGAZDASAGI ES ELELMEZESIPARI TUDOMANYOS Nyvesulet) Budapest.

Weighing and automation, and their tasks and problems in the food industry. p. 334.

Vol. 12, No. 11/12, Nov./Dec. 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 3, March 1959 Unclass.

GULYAS, Bela

Newer achievements in the development of the Soviet food industry.
Elelm ipar 19 no.2:33-42 F '65.

1. Ministry of Food, Budapest.

GULYAS, Bela

The situation of our innovation movement and its timely tasks.
Elelm ipar 16 no.9:257-262 S '61.

1. Elelmezesugyi Miniszterium.

GULYAS, Bela; KAROLYI, Jozsef; FEHER, Jozsef; KEILWERT, Vilmos; VIRAG, Jozsef; GANGER, Gyorgy

Requirements of the food industry toward machine manufacture. Elelm ipar 17 no.2:36-46 F '63.

1. Elelmezesugyi Miniszterium (for Gulyas). 2. Orszagos Tervhivatal (for Karolyi). 3. Geptervezo es Muszaki Iroda (for Feher). 4. Lang Gepgyar (for Keilwert). 5. Geptervezo es Muszaki Iroda (for Virag). 6. Hutolanc Tarcakozi Bizottsag Titkarsaga (for Ganger).

GULYAS, Bela; BORSODY, Laszlo; SOMOGYI, Lajos; KAHLESZ, Bela

Storage and material handling in the food industry. Elelm ipar 17 no.8:239-248 Ag '63.

1. Elelmezesugyi Miniszterium (for Gulyas). 2. Elelmezesugyi Miniszterium Muszaki Foosztalya (for Borsody). 3. Elelmezesipari Szolgaltato Troszt (for Somogyi). 4. Elelmezesipari Tervezo Vallalat (for Kahlesz).

GULYAS, Bela

New food industry power plants in Hungary. Ipari energia 3 no.7:152-154 Jl '62.

GULYAS, Denes, adjunktus

The role of the theory of light and colors in the development of modern environmental culture. Term tud kozl 7 no.1:15-18 Ja '63.

1. Magyar Iparmuveszeti Foiskola, Budapest.

S/194/62/000/007/047/160
D295/D308

AUTHORS: Gulyás, Ernö, Fóti, György, and Bondy, Pál

TITLE: Protective and regulating equipment for electrically controlled processes

PERIODICAL: Referatinvyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-2-114 sh (Hung. pat., cl 21h 13, 14-19, no. 147852, Nov. 30, 1960)

TEXT: In order to increase the reliability of control equipment situated between a pick-up and the operating device, a secondary electrical control circuit is provided in addition to the main circuit. In the case of faults of any conductor, the equipment is switched-off. In addition, internal faults of the equipment put into operation a separate internal sensing element in the circuit of which there is a relay which disconnects the feed of the grid of an electron valve. The latter disconnects the whole equipment. In the circuit of the controlled element there is a device sensitive to thermal overload of the equipment. When the permissible value of heating is exceeded the whole control equipment is disconnected. A

Card 1/2

system for the temperature control of a drying-room using a mercury -contact thermometer, is given as an example. [Abstracter's note: Complete translation.]

ASSOCIATION: Általanos Géptervező Iroda

Card 2/2

GULYAS, Erno

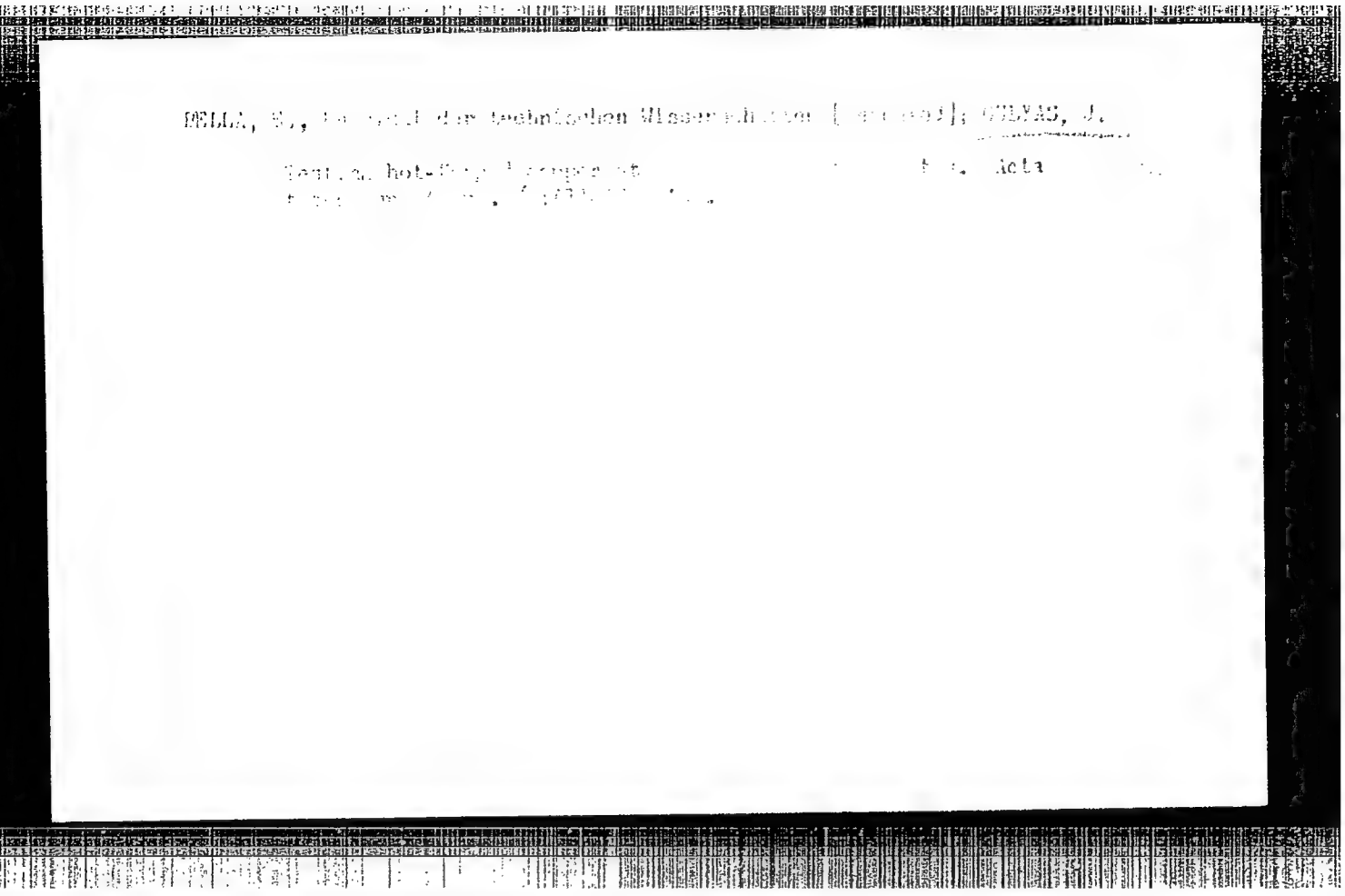
Pocket radio with five transistors. Radiotechnika 12 no.10:322-323 O '62.

[redacted] Sereno

Report on the 3d Motor Stunt Flight World Championship. Bilbao, 1964. Repules 17 no.11.4-8 N '64.

GULYAS, Imre; ZAMORI, Zoltan

Measuring isomeric limit cross-section ratio in case of the $Cs^{133}/n, \gamma/Cs^{134,134^m}$ reaction. Koz fiz kozl MTA 11 no.6: 427-437 '63.



L 01833-67

ACC NR: AT6035611 SOURCE CODE: HU/2504/66/053/01-/0183/0202

AUTHOR: Gulyas, J.--Guyash, Y.

ORG: Technical University for the Heavy Industry, Miskolc

TITLE: Theoretical and experimental investigation of the form-pressing of prisms with rectangular base

SOURCE: Acta technica academiae scientiarum Hungaricae, v. 53, no. 1-2, 1966, 183-202

TOPIC TAGS: stress analysis, geometric form

ABSTRACT: The relations between the stresses and strains at a given point of the body during the form-pressing of prisms with rectangular base were described. On the basis of experimental findings, the stresses and strains were determined as functions of the coordinates and of external conditions using simplifying assumptions. Orig. art. has: 13 figures, 23 formulas and 1 table. [Based on author's Eng. abst.] [JPRS: 35,328]

SUB CODE: 20, 12 / SUBM DATE: 18May64 / ORIG REF: 005 / SOV REF: 001
OTH REF: 003

GELEJI, A., ord. Mitglied der Ungarischen Akademie der Wissenschaften
DEVENYI, G.; GULYAS, J.

Bar extrusion experiments. Acta techn Hung 44 no.3/4:437-445
'63.

1. Redakteur, "Acta Technica Academiae Scientiarum Hungaricae,"
(for Geleji).

GULYAS, Janos, dr.; JAKAB, Tivadar, dr.

Experiences with fluothane. Magy.sebeszet 13 no.5:309-313 O'60.

1. A Budapesti Orvostudomanyi Egyetem II. sz. Sebeszeti Klinikajanak kozlemenye. Ideiglenesen megbizott vezeto: Stefanics Janos dr. egyet. docens.
(ANESTHETICS)

GULYAS, J.

"Problems of raw material in the vegetable-oil production during the period of prospective planning." p. 143.

ELELMEZESI IPAR. (Mezogazdasagi es Elelmiszeripari Tudomanyos Egyesulet). Budapest, Hungary, Vol. 13, No. 5, May 1959.

1. Novenyolajipari Igazgatosag.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

GULYAS, Janos

Data on the work of the autonomous organ of the workers living in the workers' hostels. Vasut 13 no.4:20-21 Ap '63.

JAKAB, Tivadar, dr.; GULYAS, Janos, dr.; KANTOR, Elemer, dr.; STEFANICS, Janos, dr.

Treatment of respiratory insufficiency by tracheotomy. Orv. hetil. 103 no.34:1604-1607 26 Ag '62.

1. Budapesti Orvostudomanyi Egyetem, II. Sebeszeti Klinika.
(RESPIRATORY SYSTEM dis) (TRACHEA surg)

GULYAS, Janos

Possibilities and methods for educating socialist brigades.
Vasut 12 no.8:18-20 25 Ag '62.

GULYAS, Janos

Education as the chief method for trade-union work. Magy vasut 7 no.24:1 14 D'63.

GULYAS, Janos

Work of the Hungarian State Railways in a season. Munka 4 no.9:27 S '64.

1. Head, Cultural Division, Trade Union of Railroad Workers, Budapest.

GULYAS, Jozsef

Examination of the deformation velocity of rod extrusion. Muszaki kozl MTA 32 no.1/4:365-377 '63.

1. Nehezipari Muszaki Egyetem, Miskolc, kohogeptani es Keplekenyalakitasi Tanszek.

GULYAS, Jozsef

Problems on the raw material supply of vegetable oil production in the period of a long-range plan. Elelm ipar 13 no.5:143-147 My '59.

1. Novenyolajipari Igazgatosag.

BELIA, Ede, dr., a musaki tudomanyok kandidatusa; GULYAS, Jozsef, tudomanyos munkatas.

Hot-swelling tests on copper at medium deformation speeds.
Koh lap 97 no.4:174-178 Ap'64

1. Magyar Tudomanyos Akademia Kohaszati Munkakozossege.

GULYAS, Jozsef

Problems of measurement technique in connection with the experimental investigation of plastic deformation phenomena. Koh lap 96 no.1:10-14 Ja '63.

1. Tudomanyos munkatars.

GULYAS Kiss, Arpad, vegyeszmernok

Investigations in connection with the development of the Agfacolor UT 16 reversal films. Kep hang 10 no. 1:10-12 F '64.

GULYAS, Lajos, okleveles gepeszmernok

Development and perspectives of floating crane construction in Hungary. Jarmu mezo gep 11 no.10:389-394 O '64.

1. Chief, Crane Construction Division, Hungarian Shipyard and Crane Factory.

GULYAS, Laszlo

A new method for the determination of oil change. Musz elet 15 no.6:13 '60. (KRAI 9:6)
(Automobiles)

GULYAS, Laszlo

Used motor oils. Musz elet 16 no.4:11 '61. (EEAI 10:7)
(Motor fuels)

GULYAS, Laszlo; ARNAR, Janos

Testing decentralized motor oil [illegible]. Gep 10 no.10: 373-382 O '63.

1. Autokozlekedesi Tudomanyos Kutato Intezet.

BENKO, Sandor, dr.,; FARKAS, Attila, dr.,; GULYAS, Lajos, dr.

Effect of capillary injuries on the number of thrombocytes. Orv. hetil. 96 no.29:800-801 17 July 55.

1. A Szegedi Orvostudomanyi Egyetem I.sz. Belklinikajanak (igazgatgo: Hetenyi Geza dr. egyetemi tanar, akademikus) kozlemenye.

(BLOOD PLATELETS,
count, eff. of capillary inj.)
(CAPILLARIES, wounds and injuries, eff. on blood platelet count)
(WOUNDS AND INJURIES,
capillaries, eff. on blood platelet count)

GULYAS, Lajos, dr.; ZSIGA, Imre, dr.; LISZKAI, Laszlo, dr.

Giant-cell reticulosis associated with epileptic symptoms. Orv. hetil. 106 no.15:705-707 11 Ap '65

1. Magyar Nephadsereg Egeszsegugyi Szolgalata.

HORVATH, Imre; GULYAS, Pal

Tests on biological decomposability and toxic effect of Hungarian-manufactured detergents. Hidrologiai kozlony 44 no.7: 310-321 Jl '64.

1. Scientific Research Institute of Water Resources Development, Budapest.

L 15522-66 EWA(j)/EWA(b)-2 RO

ACC NR: AT6007387 SOURCE CODE: HU/2505/65/026/00X/0016/0016

AUTHOR: Kovacs, T.; Gulyas, P.; Szatmary, G.

ORG: Institute of Physiology, Medical University of Debrecen (Debreceni Orvostudomanyi Egyetem, Elettani Intezet)

TITLE: Effect of tertiary and quarternary nitrogen compounds on the potassium contraction of tonic and tetanic muscles [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 16

TOPIC TAGS: muscle physiology, potassium, pharmacology, drug effect, sodium, experiment animal, organic nitrogen compound

ABSTRACT: Literature data indicate that in Ringer's solutions of low $K^+$ and high $Na^+$ concentrations, the $K^+$ content of the frog muscle decreases and its $Na^+$ content increases. The change is accompanied by hyperpolarization. It was shown in earlier experiments that the $Na^+$ uptake and $K^+$ loss was inhibited by physostigmine, prostigmine,

Card 1/2

L 15522-66

ACC NR: AT6007387

DFP and d-tubocurarine while it was increased by decamethonium. In the present study, the mode of influence by the above compounds on the contraction evoked by $K^+$-depolarization has been investigated. It was found that physostigmine, at a 1 mM concentration, diminished the $K^+$-contraction of tetanic muscles by 40-50 per cent and that of tonic muscles by 20-25 per cent. At low concentrations (0.001-0.1 mM), a contraction of tonic muscles was caused by decamethonium, the intensity of which increased with increase in drug concentration. At higher concentration of the drug (1.0-10 mM), the intensity of contractions decreased with increase in concentration. High concentrations of decamethonium definitely inhibited $K^+$-contraction. No contraction, only marked inhibition was caused in tetanic muscles. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 2/2

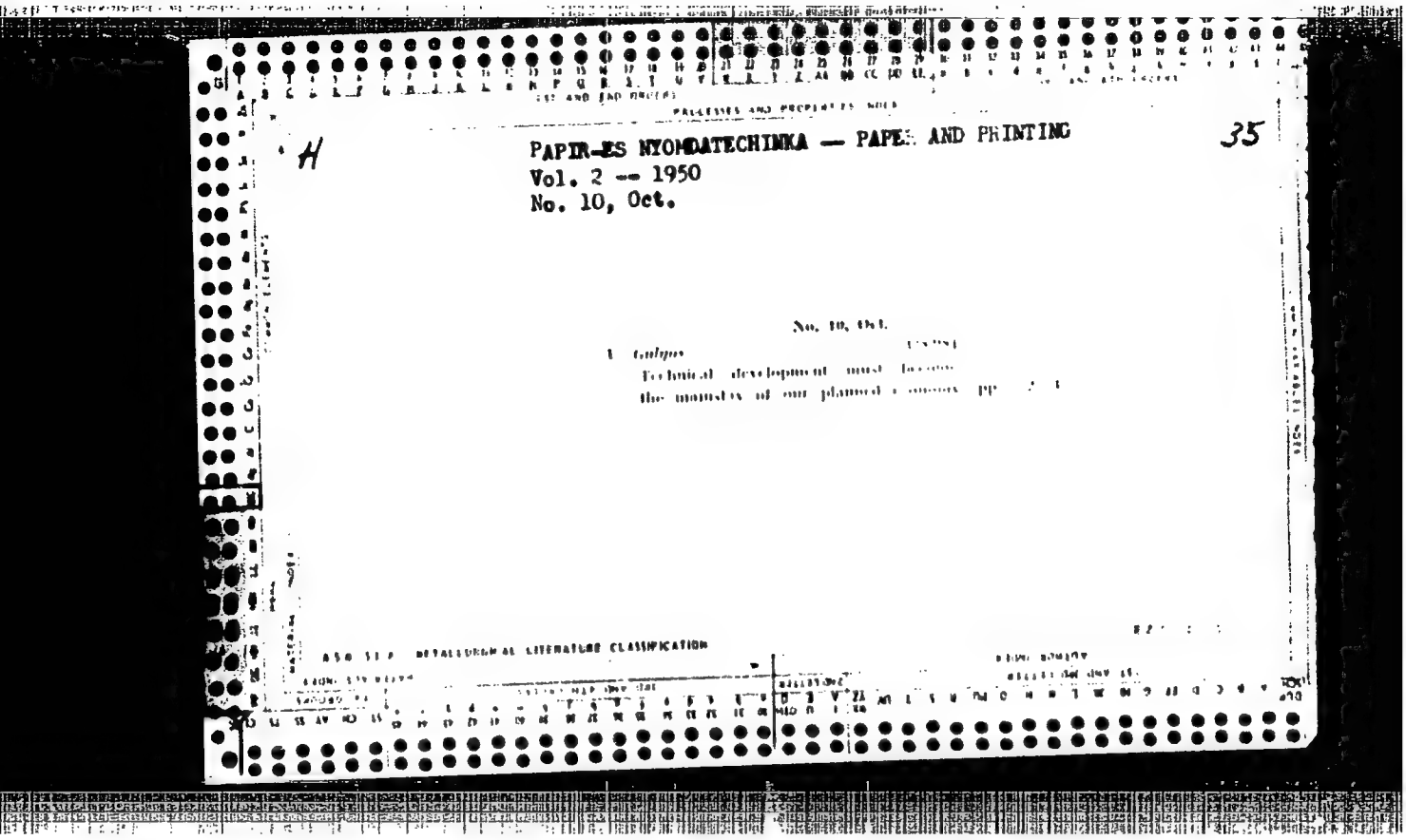
HOLLOS, S., Ferenczy, L.

Investi ation into the formation of the synthetic periderm of the potato tubercle. In German. p. 33.
(ACTA BIOLOGICA. Vol. 2, no. 1/4, Dec. 1956, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957. Uncl.

GULYAS, V.

An abstract of Research work in the printing industry within the scope of the Five Year Plan,
by V. GULYAS. (Papir es Nyomdatechnika - Paper and Printing Vol. 1, No. 13-14, pp. 10-11, November-December 1949).

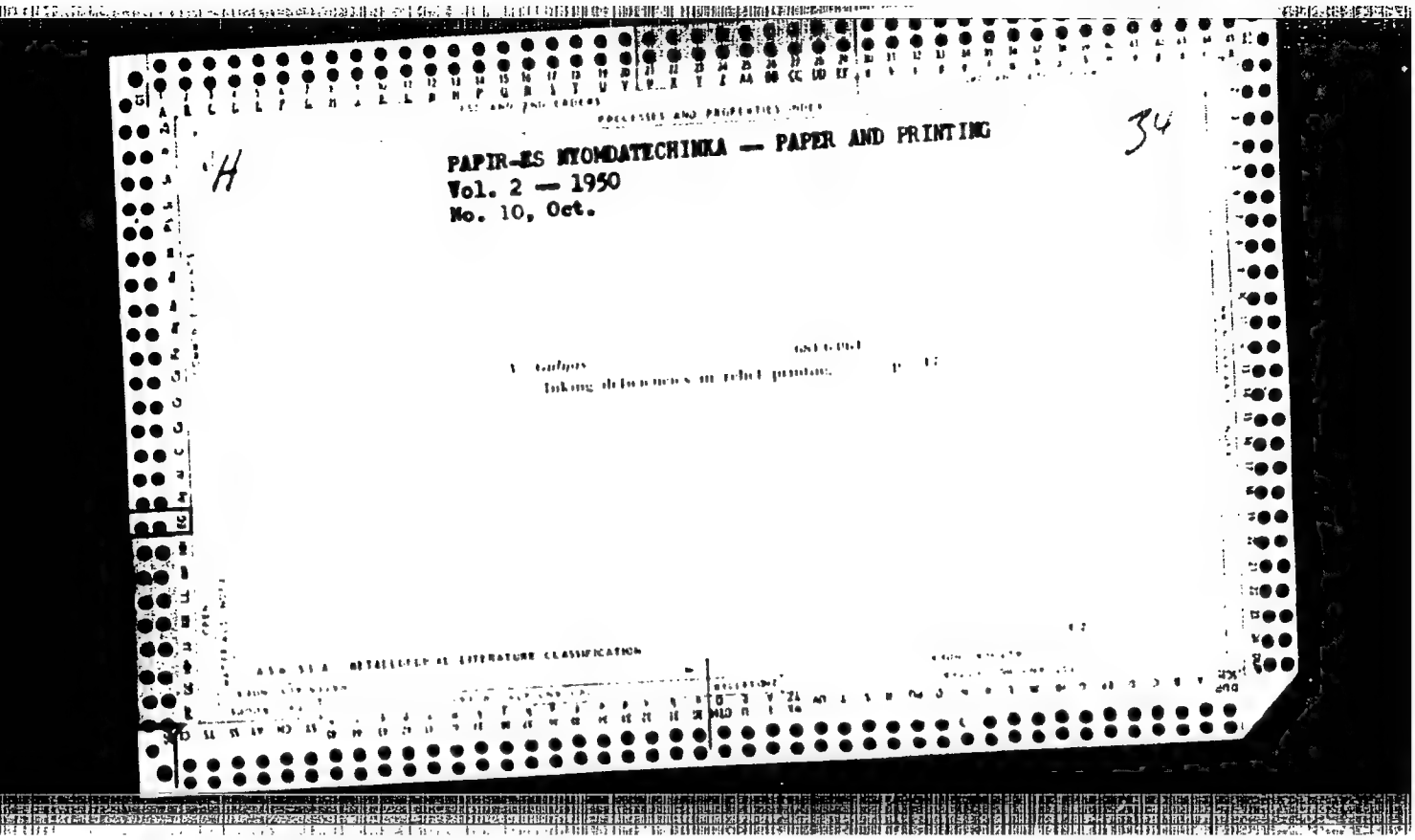


H

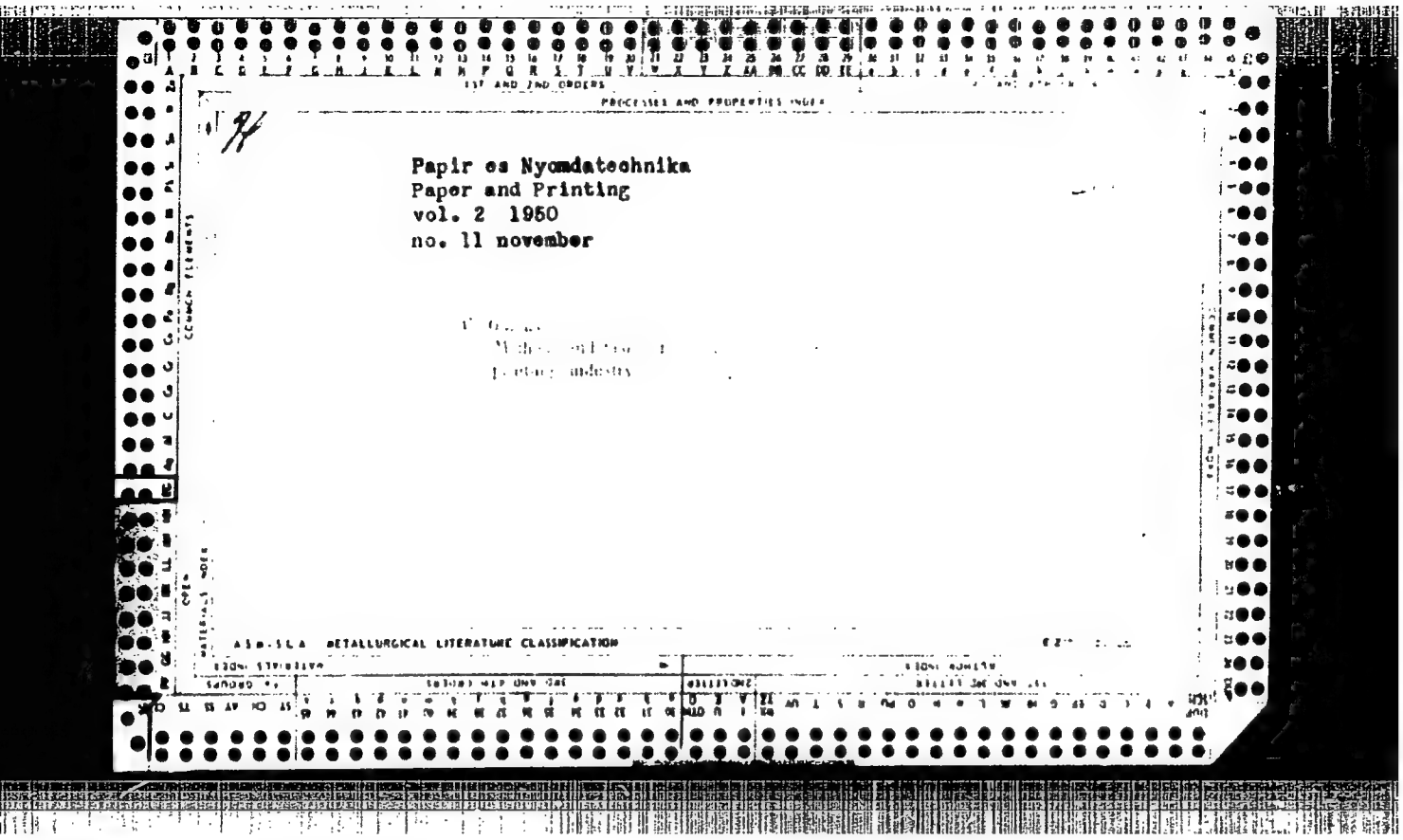
PAPIR-ES NYOMDATECHNIKA — PAPER AND PRINTING

35

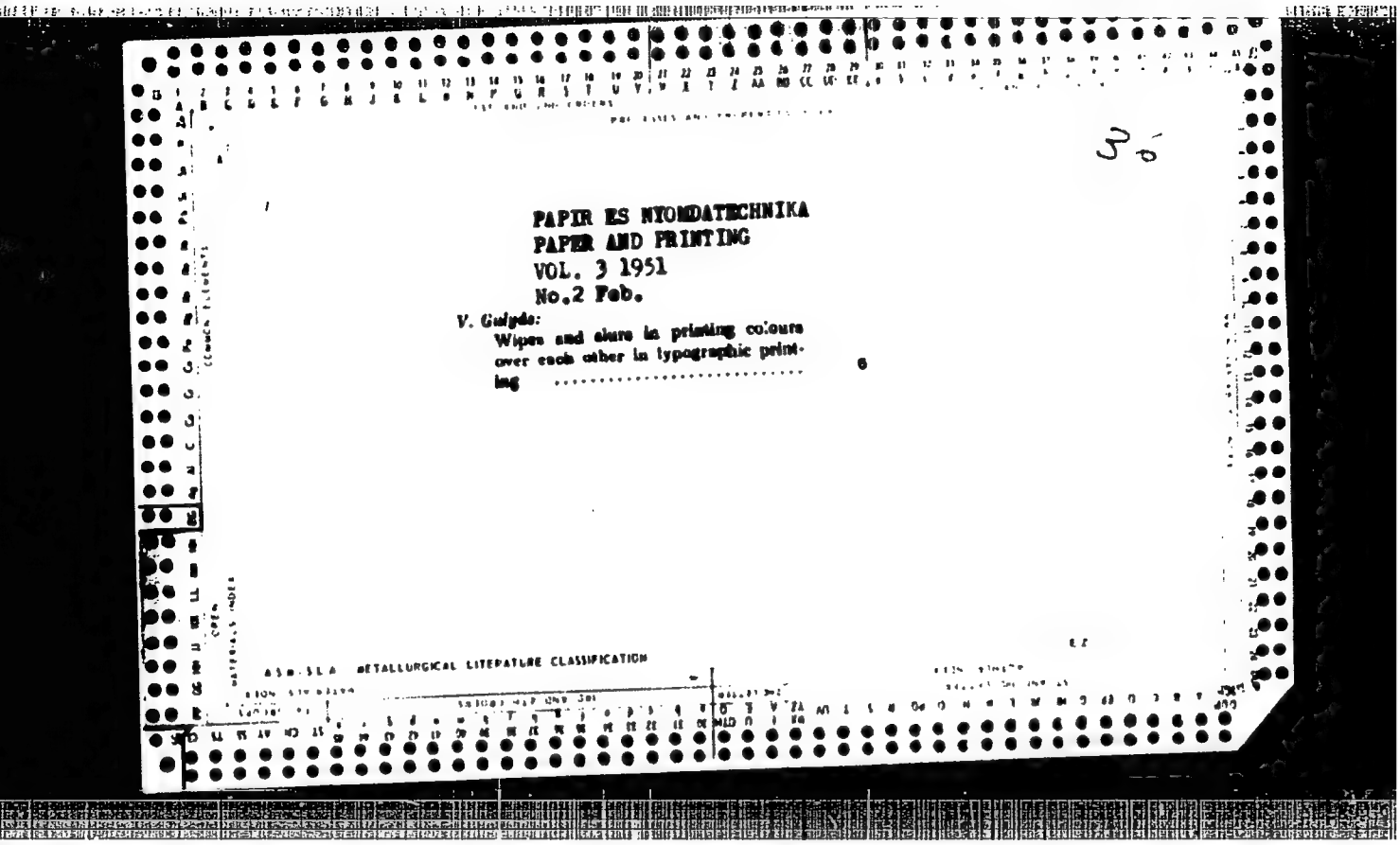
Vol. 2 -- 1950
No. 10, Oct.



PAPIR-ES MYOMDATECHINKA — PAPER AND PRINTING
Vol. 2 — 1950
No. 10, Oct.



Papir es Nyomdatechnika
Paper and Printing
vol. 2 1950
no. 11 november



PAPIR ES NYOMDATECHNIKA
PAPER AND PRINTING
VOL. 3 1951
No.2 Feb.

V. Gulyás:
Wipes and skare in printing colours over each other in typographic printing ..... 6

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

GULYAS, V.

57. Based on Soviet experiences Hungarian research provides the printing industry with improved inking rollers - Kutatasunk szovjet tapasztalatok felhasznalasaval jo festekezo hengereket ad a nyomdaiparnak - by V. Gulyas, E. Weil and B. Banyai (Paper and Printing - Papir- es Nyomdatechnika - Vol. 3, No. 2, pp. 26-29, Feb. 1951, 1 tab.)

On the basis of Soviet experiences researches were performed with three new types of roller materials: (1) Natural rubber softened to a great degree with softening agents. This has the drawback that when cleaning the roller in petrol or kerosene or even in printing ink it swells excessively. (2) An oilproof synthetic rubber (neoprene), which swells less. This material, however, separates from the hard rubber binding layer underneath when treated with petrol. (3) A petrolproof synthetic rubber (of the perbunan type) did not prove entirely satisfactory in practice. Further investigations showed very good results with PVC base rollers. These rollers, which have proven excellent in a two-month plant test, are resistant to petrol, benzol, kerosene, turpentine, printing ink varnishes and oil. Further experiments are still necessary in order to produce PVC roller materials on a large scale with the casting techniques applied at present.

(2)

GULYAS, V.

Hungarian Technical Abst.
Vol. 6 No. 1
1954

655.3.018 : 681.61.067.8

51. **Technical and scientific problems of drying in the printing trade** — *A szárítás műszaki és tudományos problémái a nyomdaiparban* — by V. Gulyás. (Paper and Printing — *Papír- és Nyomdatechnika* — Vol. 5, 1953, No. 1, pp. 31 - 40, 9 figs., 2 tabs.)

The part played by drying and its importance in the printing industry are examined in two main groups: (1) printing process including form preparation and (2) bookbinding operations. After an analysis of the printing process of printed and glued surfaces, the principles of various drying systems as well as the requirements of drying in the printing trade are discussed (heat transfer by contact, convection, and direct electromagnetic irradiation or by their combinations, the importance of air conditioning). The various drying systems used in drying plants are investigated with a view to applying them in the printing industry, especially in regard to infrared drying.

I. V.

GULYAS, Zoltan; KOVACS, Istvan

Some questions relating to the farm and labor organization on state farms. Munka 11 no.5:11-12 My '61.

1. Szakszervezetek Orszagos Tanacsa termelesi osztalyanak munkatarsa (for Gulyas). 2. MEDOSZ kozgazdasagi osztalyanak vezetoje (for Kovacs) (State farms)

GIDYAS, Zoltan

Ur[illegible]ociate development of agriculture in Hungary. Munka 15 no.3: 30 Mr '65.

1. Division of Production of the Central Council of Hungarian Trade Unions, Budapest.

GULYAS KISS, Erno, gepeszmernok

Remark about Laszlo Szeplaki's article "Investigating pressing machines for chip boards and sheet industry." Faipar 10 no.7:219-224 Jl '60.

1. Faipari Kutato Intezet.

CHUBAROV, G.S.; DAVYDOV, I.V.; ZOLOTAREV, N.N.; GULYAYENKO, S.I.; PILIPENKO, P.P.; KUDRYASHOVA, L.A.; ROGULINA, A.M.

[Recommended number of workers in plants producing clay bricks] Tipovye shtaty rabochikh zavodov glinianogo kirpicha. Moskva, 1959. 221 p. (MIRA 15:2)

1. Gosudarstvennyy proyektnyy institut po proyektirovaniyu zavodov stroitel'nykh materialov. 2. Normativno-issledovatel'skiy otdel Gosudarstvennogo proyektnogo instituta po proyektirovaniyu zavodov stroitel'nykh materialov(for all).
(Brick industry)

AUTHOR: Gulyayev, A. SOV/4-58-11-26/31

TITLE: Letters to the Editor (V redaktsiyu prikhodyat pis'ma). "Day and Night - 24 Hours Gone" ("Den' i noch' - sutki proch'")

PERIODICAL: Znaniye - sila, 1958, Nr 11, p 33 (USSR)

ABSTRACT: In compliance with a reader's request the author explains from a scientific point of view how day, night and dusk are differentiated, mentioning civil dusk, navigational dusk and astronomical dusk. There is 1 drawing.

ASSOCIATION: Gosudarstvennyy Astronomicheskiy institut imeni Shternberga (State Astronomical Institute imeni Sternberg).

Card 1/1

GULYAYEV, A.

Whose fault? Sov.shakht. 11 no.4:20-21 Ap '62. (MIRA 15:3)

1. Neshtatnyy sotrudnik zhurnala "Sovetskiy shakhter."
(Kuznets Basin--Coal mines and mining)

GULYAYEV, A., inzh. (Tashkent); NEKLYUYEV, N., inzh. (Tashkent)

Use more reinforced concrete on construction sites in Uzbekistan.
NTO 2 no.4:37 Ap '60. (MIRA 13:6)
(Uzbekistan--Reinforced concrete construction)

S/129/62/000/002/007/014
E073/E335

18.1130

AUTHOR: Gulyayev, A.

TITLE: On the quality of the steel 1Х18Н2АГ5 (ЭП26) (1Kh18N2AG5 (EP26))

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, no. 2, 1962, 40 - 41

TEXT: A high mechanical strength of stainless steel is not always a favourable property since the accompanying high yield point makes any fabrication by plastic deformation difficult. The high resistance to general corrosion may remain unutilized if the steel has a low resistance to other types of corrosion, for instance, intercrystalline corrosion. The stability of the structure, i.e. the presence of a constant content of the α-component, is an important feature of stainless steels and if the α-component changes from heat to heat or depends on other random factors during manufacture, there can be no question of stable properties. In spite of its high strength and high general resistance to corrosion, the steel under

Card 1/3

On the quality of ....

consideration does not have the stable structure necessary to withstand reliably intercrystalline corrosion. Some of the properties of the steel under consideration (0.009% C, 0.19% $N_2$, 4.9% Mn, 18.9% Cr and 2.1% Ni) are as follows.

| Reduction, % | $\sigma_b$, kg/mm$^2$ | $\delta$, % | 40 $J_s$ |
|---|---|---|---|
| 0 | 119 | 37 | 607 |
| 16 | 154 | 25 | 2260 |
| 33 | 178 | 15 | 3380 |
| 50 | 219 | 2.5 | 4680 |
| 67 | 250 | 0 | 5390 |

The strength of this steel is higher than that of the purely austenitic [illegible]878 (EI878) and 1Kh18N9T (1Kh18N9T) steels at room temperature. However, at 200 °C and higher, particularly above 500 °C the mechanical properties of these steels are about the same. The higher strength of the steel [illegible]

Card 2/3

On the quality of ....

due to its higher work-hardening during plastic deformation caused by austenite-to-martensite transformation This steel contains 5-10% ferrite in the initial quenched state and the quantity does not depend on the quenching temperature. Plastic deformation causes a sharp increase in the magnetic saturation i.e. an increase in the martensite content The steel contains ferrite and therefore it has a lower heat resistance and a tendency to embrittlement at elevated temperatures particularly above 500 °C. The steel tends to develop intercrystalline corrosion. Thus, it is concluded that this steel cannot be used as a fully equivalent substitute for the steel 1Kh18N9T However it can be used for welded components if these are subjected to heat-treatment after welding, and for unwelded components for applications which do not involve heating above 400 °C
There are 3 figures and 2 tables.

Card 3/3

GULYAYEV, A.

Always searching. Sov. shakht. 11 no.9:21 S '62. (MIRA 15:9)
(Kuznetsk Basin--Conveying machinery)
(Automatic control)

GULYAYEV, A.

This cloud will disappear. Sov. shakh. 11 no.10:13 O '62.
(MIRA 15:9)

(Kuznetsk Basin--Mine dusts)

ACC NR: AT7001816 (N) SOURCE CODE: UR/2778/66/000/015/0107/0120

AUTHOR: Gulyayev, A. A.; Gusev, I. D.

ORG: none

TITLE: Hydraulic and hydropneumatic dampers for a depth gauge with an elastic sensor

SOURCE: Leningrad. Nauchno-issledovatel'skiy institut gidrometeorologicheskogo priborostroyeniya. Trudy, no. 15, 1966, 107-120

TOPIC TAGS: oceanography, ocean dynamics, oceanographic instrument, pressure gage, manometer

ABSTRACT: Design and construction of hydraulic and hydropneumatic dampers for depth gauges with elastic sensors is described and theoretical calculations and analysis of their properties are given. The dampers serve to eliminate or reduce the effects of wind waves and other short period variations in sea level, correcting the dynamic properties of the apparatus. Operation of the dampers is described in Figures 1 and 2: the outer pressure $p_o$ on the sensor equals atmospheric pressure at the instant of immersion; p (or $p_m$) is the pressure on the interior of the manometer (Bourdon) tube 1 caused by direct contact (or by contact through the separating system 6) with the sea at a given depth. For the hydraulic damper a variable capacity comprising vessel 2, bellows 3 with spring 4, calibrated jet 5, and separating system 6 is connected

Card 1/4

parallel with the manometric tube. These are filled with a viscous liquid. In the absence of pressure variation, p ($p_m$) and pressure $p_x$ in the tube are equal, so movement x of the end of the tube is proportional to the measured pressure p. In case of variations in pressure p, variations in pressure $p_x$ and movement x level out--$p_x$ equates with p by flow of a certain volume of the liquid through 5. The degree of damping depends on the frequency with which the measured pressure varies and the parameters of the damper. In the hydropneumatic pressure damper (Fig. 2) the variable capacity elastic element 1 contains a volume of air over the effective liquid, and the manometric tube is filled with air. Calculations are given showing relative parameters in these devices required to give the necessary degree of damping at a given pressure variation frequency. Liquid PMS-1500 (polymethylsiloxane) was found to have the required flow characteristics of a damping fluid. An arrangement is shown for filling the hydraulic damper with the viscous liquid. Simulated tests showed variations in sea level can be reduced by these dampers: hydraulic damping units with a metallic elastic element are preferred in devices to be used at different depths in the presence of a wide range of variations in level; the hydropneumatic elastic element with a relatively large damping chamber gives maximum damping of swells for small (< 0.5 wave length) swells.

ACC NR: AT7001816

Figure 1. General scheme of the hydraulic damper.

Figure 2. General scheme of the hydropneumatic damper.

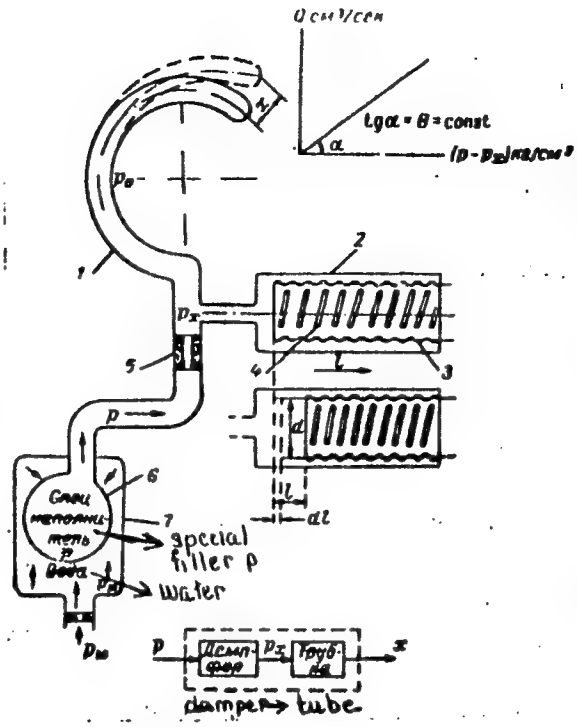



Figure 1.

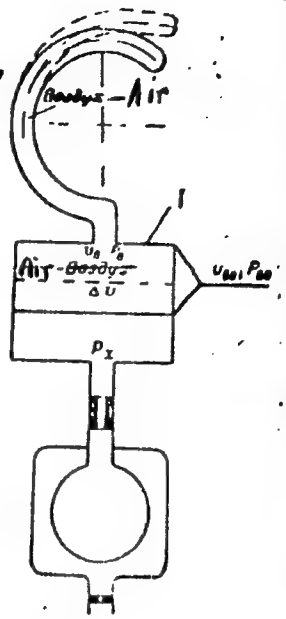



Figure 2.

Card 3/4

ACC NR: AT7001816

Orig. art. has: 3 tables, 7 figures and 25 equations.

SUB CODE: 08, 17/ SUBM DATE: none/ ORIG REF: 003

Card 4/4

L 27266-66 EWT(1)/FCC GW

ACC NR: AP6009546 SOURCE CODE: UR/0413/66/000/005/0078/0079

AUTHORS: Gulyayev, A. A.; Manuylov, K. N.; Gershenzon, G. S.; Mogil'ner, I. N.; Stepanova, N. K.; Shapiro, M. Ya.

ORG: none

TITLE: Atmospheric pressure transducer. Class 42, No. 179497 [announced by Scientific Research Institute of Hydrometeorological Instrument Manufacture (Nauchno-issledovatel'skiy institut gidrometeorologicheskogo priborostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 5, 1966, 78-79

TOPIC TAGS: atmospheric pressure, pressure transducer

ABSTRACT: This Author Certificate presents an atmospheric pressure transducer containing elastic sensor elements, e.g., in the form of vacuum aneroids fastened to a beam connected to vibrotrons, a zero unit, a compensator, and a readout system. To increase the accuracy of measurements and to improve the dynamic properties of the transducer, the beam is suspended from two identical vibrotron strings and has a constant stationary load and a movable compensation load (see Fig. 1).

Card 1/2 UDC: 551.508.49

L 27266-66

ACC NR: AP6009546

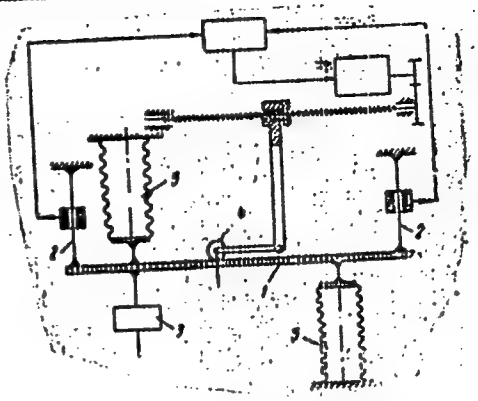


Fig. 1. 1 - beam; 2 - vibrotron strings; 3 - constant stationary load; 4 - movable compensation load; 5 - sensor elements.

Two sensor elements are fastened to the beam on opposite sides so that one increases the string tension in one of the vibrotrons and the other decreases the string tension of the other vibrotron. Orig. art. has: 1 diagram.

SUB CODE: 10, 04/ SUBM DATE: 16Dec64

Card 2/2 cc

ACC NR: AT7001817 SOURCE CODE: UR/2778/66/000/015/0121/0128

AUTHOR: Yurchuk, V. A.; Gulyayev, A. A.

ORG: none

TITLE: Compensating elements for pulse circuits (bridges) with conversion (rheochords)

SOURCE: Leningrad. Nauchno-issledovatel'skiy institut gidrometeorologicheskogo priborostroyeniya. Trudy, no. 15, 1966, 121-128

TOPIC TAGS: meteorology, meteorologic instrument, pulse circuit, pulse bridge, rheochord, conversion unit, compensation element

ABSTRACT: The authors describe a circuit used in measuring meteorological parameters. The circuit consists of a dynamically compensated electrical bridge fed by a pulsed power supply and a rheochord which serves as the compensating conversion unit. Orig. art. has: 5 figs. and 8 formulas. [SP]

SUB CODE: 08, 09/SUBM DATE: none/ORIG REF: 002/

Card 1/1

GULYAYEV, A. I. Nov 52

USSR/Metallurgy - Welding, Methods

"Projection Welding in Automobile Production," A. I. Gulyayev, Engr, Automobile Plant im Molotov

Avtogen Delo, No 11, pp 16-20

Discusses projection or relief welding method, when parts are welded simultaneously in 2-20 points, and its application for welding automobile parts, such as parts of chassis, brackets of spare wheel, oil filters, etc. Describes several typical examples of application: flange of brake drum, brake shoe, rotor of ventilating blower, body of oil filter, and nut retainer.

266T47

GULYAYEV, A. I.

"Projection Welding in Automobile Construction (Avto. Delo, 1952, 23, Nov., p. 16)

Describes the equipment in use for, and some applications of projection welding at the "Molotov" automobile factory.

VI

GULYAYEV, A. I.

USSR/ Engineering - Welding equipment

Card 1/1 : Pub. 12 - 7/16

Authors : Gulyaev, A. I.

Title : The modernization of equipment for spot welding

Periodical : Avt. trakt. prom. 7, 27-28, July 1954

Abstract : A narrative report is presented concerning the modernization of spot-welding apparatus, type ATA-40, MTP-75, and MTPG-75. General description of the above mentioned equipment is presented, together with the explanation of incorporated improvements. Diagrams.

Institution : .....

Submitted : .....

112-1-1406

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 1, p. 214 (USSR)

AUTHOR: Gulyayev, A.I.

TITLE: Automation of Welding Operations in Continuous Mass Production of Automobile Parts (Avtomatizatsiya svarochnykh rabot v massovom potochnom proizvodstve avtomobil'nykh detaley)

PERIODICAL: Sbornik: Avtomatizatsiya tekhnol. protsessov v mashinostr. Goryachaya obrabotka metallov. Moscow, AN SSSR, 1955, pp.244-250

ABSTRACT: Bibliographic entry

Card 1/1

BOBRINSKIY, Yuriy Nikolayevich; SERGEYEV, Nikolay Petrovich; GULYAYEV, A.I., inzhener, retsenzent; KABANOV, N.S., kandidat tekhnicheskikh nauk, redaktor; GRUSHEVSKAYA, G.M., redaktor izdatel'stva; TIKHONOV, A.Ye., tekhnicheskiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Arrangement and installation of resistance welding machines] Ustroistvo i naladka knotaktnykh svarochnykh mashin. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 143 p. (MLRA 10:1)
(Electric welding)